

16V STEREO CLASS-D AUDIO POWER AMPLIFIER with STEREO HEADPHONE

Description

The AD5266 has a high efficiency two-channel Bridge Tied Load (BTL) Class-D audio power amplifier and stereo Class AB headphone amplifiers. The amplifier operates over a supply voltage range 8V to 16V and consumes low quiescent current.

Feature

- Operate from 8-16V supply voltage
- 9.2W per channel into 8 Ω load from 12V supply (10% THD+N, Stereo, Class D Amp)
- 15W per channel into 4 Ω load from 12V supply (10% THD+N, Stereo, Class D Amp)
- 17W into 4 Ω load from 12V supply (10% THD+N, Mono, Class D Amp.)
- 50mW into 32 Ω load from 12V supply (10% THD+N, Stereo, Class AB Headphone Amp.)
- Antipop design
- Over-temperature protection
- Over-current protection
- Two volume control modes
 - 4 selectable , fixed gain settings
 - 31-step DC volume control
- Clock output for synchronization with multiple class-D devices
- 48-pin E-LQFP package

Applications

- LCD Monitors
- Televisions
- Powered speakers

Block Diagram

